

26.1

1 α) $\frac{1}{\alpha^8} = \alpha^{-8}$

β) $\left(\frac{\kappa}{\lambda}\right)^{-7} = \left(\frac{\lambda}{\kappa}\right)^7$

γ) $\sqrt[9]{\alpha^5} = \alpha^{\frac{5}{9}}$

δ) $\frac{1}{\sqrt{\alpha^3}} = \alpha^{-\frac{1}{2}}$

ε)

$\alpha^{-\frac{5}{11}} = \frac{1}{\sqrt[11]{\alpha^5}}$

2 α^{-2}

3 α^{-5}

4 α^{-4}

5 α^{-1}

6 $\left(\frac{\beta}{\alpha}\right)^5$

7 $\left(\frac{\delta}{\gamma}\right)^3$

8 $\left(\frac{\alpha}{\delta}\right)^4$

9 $\left(\frac{\beta}{\alpha}\right)^{-3}$

10 $\left(\frac{\delta}{\gamma}\right)^{-10}$

11 $\left(\frac{\beta}{\alpha}\right)^{-1}$

12 α^5

13 α^6

14 α^9

15 $\alpha^{\frac{5}{3}}$

16 $\alpha^{\frac{2}{7}}$

17 $\alpha^{\frac{6}{11}}$

18 $\alpha^{\frac{3}{5}}$

19 $\alpha^{\frac{17}{13}}$

20 $\alpha^{\frac{1}{7}}$

21 $\alpha^{\frac{1}{6}}$

22 $\alpha^{\frac{1}{3}}$

23 $\alpha^{\frac{1}{4}}$

24 $\alpha^{\frac{1}{12}}$

25 $\alpha^{\frac{1}{19}}$

26 $\alpha^{\frac{7}{2}}$

27 $\alpha^{\frac{3}{2}}$

28 $\alpha^{\frac{9}{2}}$

29 $\alpha^{\frac{17}{2}}$

30 $\alpha^{\frac{21}{2}}$

31 $\alpha^{\frac{1}{2}}$

32 $\alpha^{-\frac{4}{5}}$

33 $\alpha^{-\frac{3}{8}}$

34 $\alpha^{-\frac{7}{16}}$

35 $\alpha^{-\frac{7}{19}}$

36 $\alpha^{-\frac{1}{9}}$

37 $\alpha^{-\frac{1}{3}}$

38 $\alpha^{-\frac{1}{4}}$

39 $\alpha^{-\frac{1}{11}}$

40 $\alpha^{-\frac{7}{2}}$

41 $\alpha^{-\frac{13}{2}}$

42 $\alpha^{-\frac{29}{2}}$

43 $\alpha^{-\frac{1}{2}}$

44 $\frac{1}{\alpha^5}$

45 $\frac{1}{\alpha^{14}}$

46 $\sqrt[5]{\alpha^4}$

47 $\sqrt{\alpha}$

48 $\sqrt[7]{\alpha^3}$

49 $\sqrt[19]{\alpha^8}$